BRUHAT BANGALORE MAHANAGARA PALIKE
EXECUTIVE ENGINEER PROJECT DIVISION YELAHANKA
DRAFT TENDER SCHEDULE

Name of Work :- Providing and laying UGD pipeline and Construction of Man Holes in Ward No 06 Byatarayanapura Sub Division

Sl. No.	Description	Unit	Quantity	Rates	
				In Figures	In Words
1	Cement concrete slab surface for pipeline trenches inside drain and disposing of the excavated stuff as directed including barricading, danger lighting etc.,	Cum	51.21	1033.00	Rupees One Thousand Thirty Three Only
2	EXCAVATING FOR PIPE LINE TRENCHES OF REQIRED WIDTH by mechanical & manual means including dressing sides, ramming of bottoms, providing barricading, danger lighting, shoring,strutting, dewatering etc., IN ALL KINDS OF SOIL MIXED WITH BOULDERS 30cms size etc.,	Cum	246.44	167.00	Rupees One Hundred Sixty Seven Only
3	In disintegrated rock, soft rock, soft shale and medium hard rock comprising of lime stone, sand stone, hard shale, schiest, fissured rock without resorting to blasting.	Cum	36.97	404.00	Rupees Four Hundred Four Only
4	Hard rock by chiselling	Cum	36.97	1487.00	Rupees One Thousand Four Hundred Eighty Seven Only
5	For bedding of sewer KSRB 4.1 Providing and laying in position plain cement concrete of mix M15 with OPC cement @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted,curing complete as per specifications.	Cum	43.93	5599.98	Rupees Five Thousand Five Hundred Ninety Nine And Paise Ninety Eight Only
6	Supplying of following diameters S&S RCC SPUN/VIBRATED CAST PIPES (REINFORCED) OF NP-3 class confirming to IS456-1988 with latest amendments using ordinary port land cement, conveying to work site, rolling, lowering into trenches, laying true to line and level icluding at both destinations and joining of pipes and specials including cos of specials, including perfect linking of joints with jack to correct position including cost of jointing materials i.e, ribber rings confirmng to IS:5382 for S&S RCC pipes with all leads and lifts as directed as giving necessary hydraulic tests as per ISS and testing comissioning ec., completebefore execution of the wok, contractor shall carry out the survey and will be paid extra as per the separate Item.	Rmt	139.05	2138.00	Rupees Two Thousand One Hundred Thirty Eight Only

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	Description	Unit	Quantity	Rates	
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7	Construction of RCC manhole chambers of 1:1.5:3 proportion or approved type pre-cast RCC manhole chambers, constructed using form vibrators of standard type, with barricading, danger lighting and using of sight rails and boning rods wherever necessary, shoring and strutting wherever required using ordinary port land cement. Using 1:1.5:3 proportion RCC with 20mm down graded jelly, well graded sand and steel of approved quality 200mm thick top concrete slab having wall thickness and raft thickness as in approved drawings and with an offset in raft alround the chamber as in approved drawing , benching concrete with 1:6 slope towards the central drain finished smooth, incldng fixing and grouting of pipes, including conveying to work spot supply and fixing SFRC manhole cover and frame confirming to IS:12592 with latest amendments on a bed of CC 1:2:4 supplying and fixing of minimum 3mm thick encapsulated plastic footstep (as per IS:10910)on 12mm dia. Grade Fe-415 steel bar (as per IS:1786) staggerd at 300 mm apart as detailed in technical specification, including sand bedding wherever required , diposal of surplus earth, watering.	Nos	5.00	47373.00	Rupees Forty Seven Thousand Three Hundred Seventy Three Only
8	For every 0.1m additional	Nos	50.00	1651.50	
9	Dismanteling the damaged or collapsed manholes of 1.2m dia conical in shape and reconstructing the same for the same dimensions with machine made wire cut brck in cm 1:4 with ordinary portland cement etc., as per design and specifications the existing rig, cover and CC bedding to be used .	Nos	5.00	21051.00	Rupees Twenty One Thousand Fifty One Only
10	Refilling of avilable earth around pipeline in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering all lead and lifts including cost of all labour includiong consolidation by mecanical means approved by engineer Incharge. When earth is at suitable moisture content with desired field density (modified heavy proctor test) for restoration of roads without settelment including HOM of machineries. Complete (The contractor shall take are while consolidating the earth, so that, pipes laid are not damaged due to mechanical compaction and sall restore all the damaged pipes at his own cost, in case of damage).	Cum	202.56	103.00	Rupees One Hundred Three Only
11	Disposal of the excess excavated earth of all type by vehical including loading, unloading with all lead and lifts, labour, HM of machineres etc., - for 10kms	Cum	134.09	243.00	Rupees Two Hundred Forty Three Only
12	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406	Cum	26.11	2001.28	Rupees Two Thousand One And Paise Twenty Eight Only
13	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	Sqm	15.00	379.48	Rupees Three Hundred Seventy Nine And Paise Forty Eight Only

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	Description	Unit	Quantity	Rates	
				In Figures	In Words
14	KSRB 4-1.1: Providing and laying in position plain cement concrete of mix 1:2:4 with OPC cement @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2	Cum	5.56	5599.98	Rupees Five Thousand Five Hundred Ninety Nine And Paise Ninety Eight Only
15	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6	Cum	25.43	5998.54	Rupees Five Thousand Nine Hundred Ninety Eight And Paise Fifty Four Only

"DTS Approved"

H.V.
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Project Division-I
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